

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicants: Hansen et al. )  
Serial No: 09/922,319 )  
5 Filing Date: August 2, 2001 ) Examiner: Unassigned  
Title: System with Wide Operand ) Group Art Unit: 2671  
Architecture, and Method )  
\_\_\_\_\_ )

Assistant Commissioner for Patents

10 Washington, D.C. 20231

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

Dear Sir:

15 In response to the Notice to File Corrected Application Papers mailed August  
20, 2001, Applicants respectfully submit the following Preliminary Amendment:

**PRELIMINARY AMENDMENT**

20 **In the Drawings:**

Please substitute Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 as filed on August 2,  
2001, with the enclosed substitute drawing sheets Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,  
and 11.

25 **In the Abstract of the Disclosure:**

Please add the following as the Abstract of the Disclosure after page 24 of the  
application as filed and as the last page, page 25, of the above-identified application:

**--ABSTRACT OF THE DISCLOSURE**

30 The present invention provides a system and method for improving the  
performance of general purpose processors by expanding at least one source operand to  
a width greater than the width of either the general purpose register or the data path  
width. In addition, the present invention provides several classes of instructions which  
cannot be performed efficiently if the operands are limited to the width and accessible

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number of general purpose registers. The present invention provides operands which are substantially larger than the data path width of the processor by using a general purpose register to specify a memory address from which at least more than one, but typically several data path widths of data can be read. The present invention also  
5 provides for the efficient usage of a multiplier array that is fully used for high precision arithmetic, but is only partly used for other, lower precision operations.--

### **REMARKS**

#### 10 **Drawings**

By the Notice to File Corrected Application Papers mailed August 20, 2001, the Initial Patent Examination Division noted that "[s]ubstitute drawings in compliance with 37 CFR 1.84 [need to be submitted] because . . . drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g))." Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11  
15 have been replaced with the attached substitute drawing sheets, Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11. Thus, Applicants respectfully submit that the substitute drawing sheets for Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 comply with 37 CFR 1.84. Applicants respectfully submit that no new matter has been added by the replacement of the sheets of drawings.

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#### **Abstract of the Disclosure**

By the Notice to File Corrected Application Papers mailed August 20, 2001, the Initial Patent Examination Division noted that "[a]n abstract was not provided for this application . . . [and] [a]n abstract of the technical disclosure is required under 37 CFR  
25 1.72(b)." An Abstract of the Disclosure has been added per the Notice to File Corrected Application Papers mailed August 20, 2001. Thus, Applicants respectfully submit that the added Abstract of the Disclosure complies with 37 CFR 1.72(b). Applicants respectfully submit that no new matter has been added by the addition of the Abstract of the Disclosure.

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#### **Conclusion**

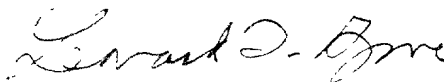
Attached hereto is a marked-up version of the changes made to the drawings and to the abstract. The attached page is captioned "**Version with Markings to Show Changes Made**".

It is therefore clear that Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 comply with 37 C.F.R. 1.84. It is also clear that the added Abstract of the Disclosure complies with 37 CFR 1.72(b). The Commissioner is authorized to charge deposit account 50-0385 for any expenses, including extension fees, and/or to credit any overpayment to this account in connection with this preliminary amendment.

Applicants respectfully request that a timely Notice of Allowance be issued in this case. In the event that any issue remains unresolved, the Examiner is invited to telephone the undersigned at 650-233-5559.

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Respectfully Submitted,



Date: October 19, 2001

Leonard T. Guzman

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**Version with Markings to Show Changes Made**

**In the Drawings:**

5 Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 have been replaced with the attached  
substitute drawing sheets, Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 per the Notice to  
File Corrected Application Papers mailed August 20, 2001.

**In the Abstract of the Disclosure:**

10 An Abstract of the Disclosure has been added per the Notice to File Corrected  
Application Papers mailed August 20, 2001.

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